

AMENDMENTS TO THE CLAIMS

1. (currently amended) A dielectric resonator comprising:
a dielectric resonance element; and
a protrusion portion disposed ~~in a direction perpendicular to the~~ on a bottom surface of the dielectric resonance element, ~~the protrusion portion integrally molded together with the dielectric resonance element,~~
wherein ~~the~~ a side face at ~~the~~ an outer periphery of the protrusion portion is tilted such that ~~the~~ an area of an upper surface on the bottom surface side of the dielectric resonance element of the protrusion portion adjacent the bottom surface of the dielectric resonance element is larger than ~~the~~ an area of ~~the~~ a lower surface of the protrusion portion, and
wherein ~~the~~ an electromagnetic field used in the dielectric resonance element is in the TE₀₁ δ mode.
2. (currently amended) The ~~The~~ [[A]] dielectric resonator as claimed in claim 1, wherein the ~~whole~~ entire side face at the outer periphery of the protrusion portion is tilted.
3. (currently amended) The ~~The~~ [[A]] dielectric resonator as claimed in claim 1 ~~or 2~~, wherein an ~~the~~ bottom area of the bottom surface of the dielectric resonance element is larger than the area on the upper surface ~~bottom surface side of the dielectric resonance element~~ of the protrusion portion.
4. (currently amended) A filter comprising a plurality of dielectric resonators as claimed in claim 1 ~~any one of claims 1 to 3~~.
5. (original) A duplexer comprising two filters as claimed in claim 4.
6. (currently amended) An oscillator comprising a dielectric resonator as claimed in claim 1 ~~any one of claims 1 to 3~~.

7. (currently amended) A communication device comprising ~~at least one of a dielectric resonator as claimed in claim 1 any one of claims 1 to 3, a filter as claimed in claim 4, a duplexer as claimed in claim 5, and an oscillator as claimed in claim 6.~~

8. (new) The dielectric resonator as claimed in claim 1, wherein the protrusion portion is integrally molded with the dielectric resonance element.

9. (new) The dielectric resonator as claimed in claim 2, wherein an area of the bottom surface of the dielectric resonance element is larger than the area on the upper surface of the protrusion portion.

10. (new) A communication device comprising a filter as claimed in claim 4.

11. (new) A communication device comprising a duplexer as claimed in claim 5.

12. (new) A communication device comprising an oscillator as claimed in claim 6.